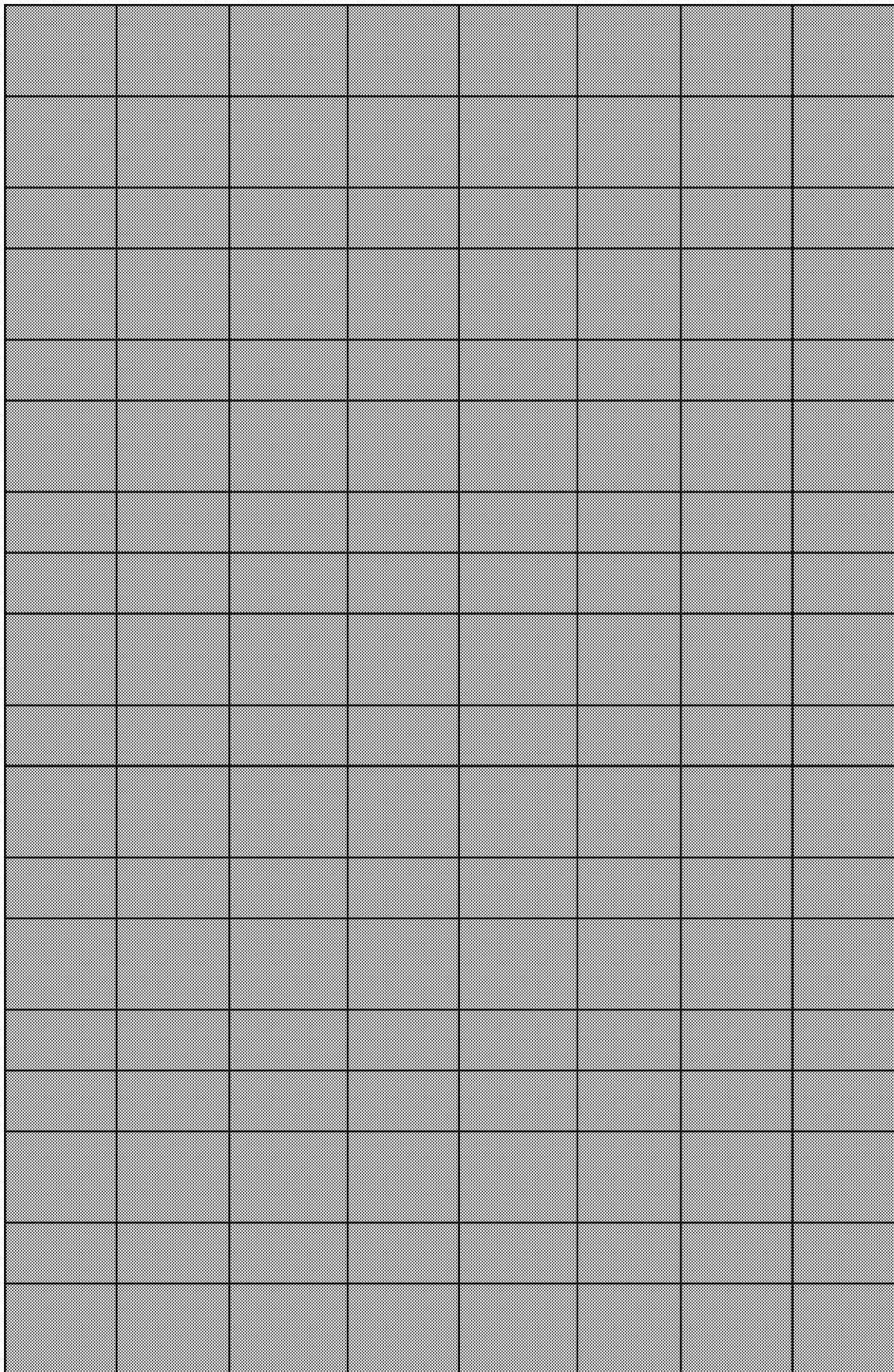


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Review - Level 1



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Multiple antibiotic resistance in Escherichia coli has typically been associated with mutations at the mar locus, located at

The molecular mechanism (or mechanisms) at the basis of paraquat (PQ) (a widely used herbicide) toxicity is far from bei

Paraquat, which mediates increased O<sub>2</sub>- production within Escherichia coli, inhibits growth without causing cell death in

Evidence for the reversible binding of paraquat to calf thymus DNA has been obtained using equilibrium dialysis and ther

Since there exists some controversy in the literature as to whether paraquat augments microsomal lipid peroxidation via

The effects of trichlorfon (DEP, Dipterex, anticholinesterase pesticide) and paraquat dichloride (Gramoxon, inhibitor of su

The authors compared the temporal pattern of low-dose oxidant-induced lung injury in rats after exposure to either 1 pp

Iron, particularly in the ferrous state plays a role in regulating the biosynthesis of the manganese superoxide dismutase (

Data of toxicological analyses carried out over a 10-y period for suspected cases of wild and domestic animal poisonings .

The potential genotoxicity (nuclear anomalies, damage to single-strand DNA) and pinocytic adherence activity of two (gly

Supplements of antioxidants, superoxide dismutase (SOD), catalase, cyclic guanylate (cGMP), and theophylline, or omission

Novel metal complexes, Fe(II)-tetrakis-N,N,N',N' (2-pyridylmethyl)ethylenediamine(Fe-TPEN) and Fe(III)-tris[N-(2-pyridyl

Novel iron and copper complexes having tris[N-(5-methyl-2-pyridylmethyl)-2-aminoethyl]amine (5MeT-PAA), tris[N-(3-m

The mechanism of absorption of paraquat, which is a type of quaternary ammonium compound (QAC), was studied using

BACKGROUND: As an intracellular human pathogen, Mycobacterium tuberculosis (Mtb) is facing multiple stressful stimuli

Parkinson's disease (PD) affects millions around the world. The Braak hypothesis proposes that in PD a pathologic agent i

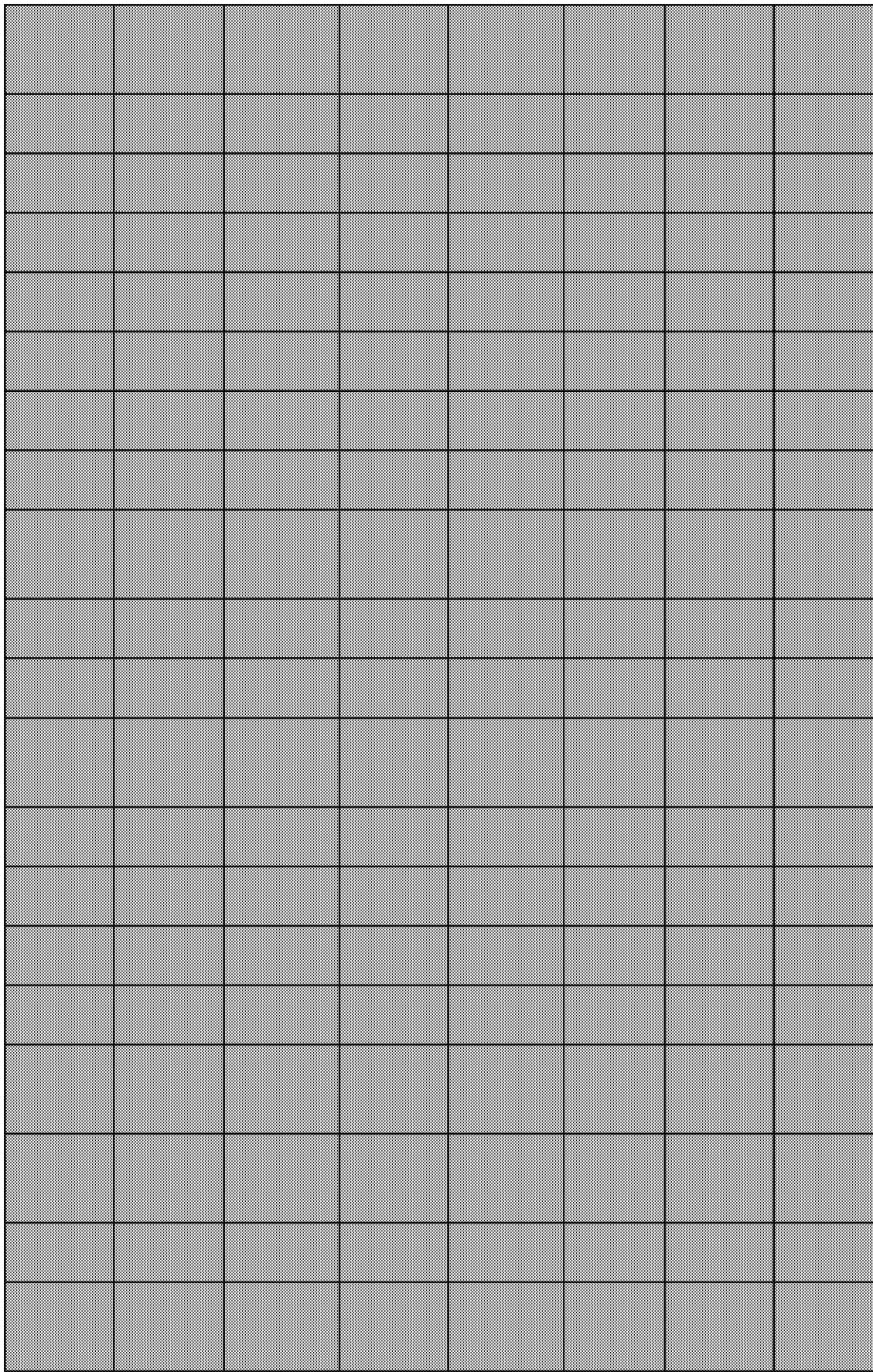
In vitro complementation of the soluble assimilatory nicotinamide adenine dinucleotide phosphate, reduced form (NADP

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Review - Level 1

Level 1



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An Escherichia coli double mutant, sodAsodB, that is deficient in both bacterial superoxide dismutases (Mn superoxide dismutase and Cu,Zn superoxide dismutase) has been constructed.
Cell extracts of acetate-grown Methanosa
The clinical applications of plasmapheresis are rapidly increasing in number and scope. This trend is also observed in the treatment of patients with various diseases.
To measure the toxicity experienced by superoxide-generating compounds, two plasmids were constructed in which the genes for the generation of superoxide anions were under the control of inducible promoters.
In Escherichia coli, the superoxide dismutase genes (sodA and sodB) sense the availability of Fe through the action of the Fenton reaction.
To improve the in vivo pharmacological potential of Cu, Zn-superoxide dismutase (Cu,Zn-SOD), human recombinant Cu,Zn-SOD was expressed in E. coli.
The effects of medicinal margarite extract and recombinant human superoxide dismutase (r-h SOD) on acute paraquat induced liver damage in rats.
We cloned a gene responsible for multidrug resistance from the chromosomal DNA of Klebsiella pneumoniae MGH78578.
From the clinico-toxicological standpoint, the most important plant protectants are the insecticides (bipyridylum compounds).
The indication to use hemoperfusion as a therapeutic measure in severe intoxications in man should be based on a three step approach.
An economical hemoperfusion system for clearance studies in vitro was developed. It was ascertained, that hemoperfusion can be used for the removal of drugs and toxicants.
In the presence of double helical polynucleotides (sodium poly(dA-dT).poly(dA-dT) or calf thymus DNA), the efficiency of the reduction of paraquat by cytochrome c oxidase is increased.
Autosomal recessive Juvenile Parkinsonism (AR-JP) is a chronic, progressive neurodegenerative disorder caused by mutations in the parkin gene.
Developmental effects of amitraz (acaricide), its metabolite (2,4-dimethylaniline), and paraquat (herbicide) on embryos of the zebrafish.

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